B&H PHOTO - VIDEO - PRO AUDIO

The Professional Video SourceBook

Section10a

Presenters

Presenters

Videolabs.....636-639

ELMO.....640-643

Sony 644-645

JVC/Panasonic.....646

Samsung.....647

Canon.....648-649

Sony/Telemetrics.....650

Video Conferencing

Sony 651-653

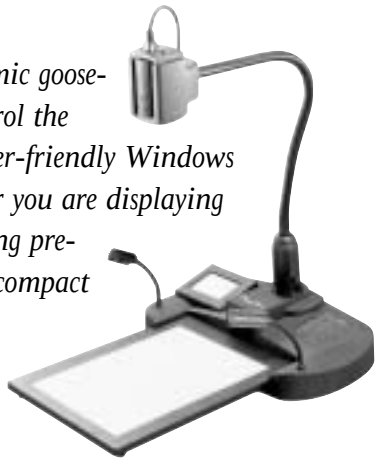
Video Printers

Sony 654-656

Panasonic/JVC.....657

GOOSENECK VIDEO CAMERAS

ProfCam



An integrated presentation system flexible to your needs, ProfCam features a sleek ergonomic gooseneck detachable light panel and LCD screen. It also provides you with three ways to control the camera: Hand-held remote control, via the backlit keypad on the camera base or with user-friendly Windows software. For ease of travel, the ProfCam collapses to fit in its own carrying case. Whether you are displaying exhibits in a courtroom, viewing documents, showing 3-D objects or photos in a marketing presentation, or sharing documents over a Videoconference call, ProfCam is the convenient, compact and contemporary solution for any presentation.

- Automatic Focusing 14:1 (3.9-54.6mm) 4-Speed Power Zoom Lens (2, 3, 6 or 10 seconds) focuses down to 1 cm (widest angle) and 1m (tele end).
- Gooseneck technology lets you deliver the most versatile, dynamic and complete presentation possible. The flexible 27″ neck allows you to display objects in ways that stationary and hinge model document cameras cannot.
- 450 Lines of Resolution (S-Video output), Minimum Illumination of 1 lux and 6-mode White Balance system: Auto, Indoor, Fluorescent, Outdoor, Lock and Manual.
- Detachable Light Panel offers a thin, lightweight and high luminance surface for viewing transparencies, 35mm slides and X-rays on a monitor. The panel can also be used to backlight 3-D objects for ease of viewing by the audience.
- On-Board, High-Resolution LCD screen lets you view the projection screen without having to take your eyes off the audience. Presentations can be nerve-wracking – the last thing you need is to worry about hard-to-use equipment.

ScholasticCam

The ScholasticCam consists of a high-resolution color CCD Video camera and internal microphone mounted on flexible 18″ gooseneck, allowing precise, unobtrusive positioning of the camera for hands-free operation. State-of-the-art design and ease-of-use make it the ideal solution for applications, ranging from Video newsletters, instructional programs and reports to presentations, scanning and Video annotation. With limitless possibilities, ScholasticCam is simply the best overall camera available on the market today — whether it is used for classroom presentations, Video recordings of lesson plans, experiments or student progress, Videoconferencing in place of an overhead projector — ScholasticCam provides the highest quality and flexibility for clear, concise viewing.

- High resolution 1/3″ CCD camera incorporates a razor-sharp 5mm lens that focuses from 1/4″ to infinity, with effective magnifications of 50:1.
- Sleek, flexible 18″ wand lets you direct the swivel-head camera (30° left or right) at any subject for precise, unobtrusive positioning.
- Output to a monitor, VCR, projector or computer. An adapter cable converts the signal from S-Video to Composite when needed. Also compatible with Video digitizing boards for PC and Macintosh.
- Effectively replaces the traditional opaque projector to display documents and transparencies, present pictures from books or magazines, display 3D objects like rocks or organ models. Use with the optional FlexLite for guided classroom presentations, such as dissections. Aid students with visual disabilities.
- Sophisticated Auto White Balance, plus highly sensitive optical system allow them to capture great colors under virtually any light conditions, even down to 2 lux.
- Ideal for image capture, the lens is designed to correctly image an 8½ x 11″ document when pointed down.
- All electronics for the units are contained in the base; a single cable – designed to reduce desktop clutter – contains Power, Video and Audio.
- Built-in stereo microphones for recording your voice clearly and crisply for Videoconferencing and other applications.The mics' directionality reduces background noise and closely matches that of the lens. Audio output is standard RCA line-level.

GOOSENECK VIDEO CAMERAS

TeachCam w/IllumiBase

TeachCam is a high-resolution, color desktop Video camera that uses a standard 8mm C-Mount lens for magnification of objects and technical documents. For medical, scientific and teaching applications, it is ideal for the study of Biology, Cytology, Pathology, Astronomy and other branches of science. The sleek flexible 27˝ gooseneck wand lets you direct the swivel-head camera at any subject for precise positioning. Or, with the supplied microscope adapters, you can connect the camera to virtually any microscope (or telescope) to display slides, X-rays or scientific objects on monitors for group and classroom viewing.

Equipped with the IllumaBase, the TeachCam turns the classroom into an interactive learning environment, while providing the ultimate quality in Video capture. The IllumaBase is a built-in light source in the base of the camera, allowing presentation of micro images, such as pond specimens without the use of a microscope. It also allows for 35mm slide presentations without the use of a projector.

- Simplifies teaching and presentation applications from the desktop, while providing the ultimate in Video capture. Razor sharp 8mm C-Mount lens focuses from infinity down to 1/4˝, effectively producing a magnification of 50:1 when viewed on a 25˝ monitor.
- Sleek 27˝ gooseneck allows you to direct the high-resolution swivel head camera at any subject for precise positioning and to use on taller microscopes, or hold in place while using the IllumaBase.
- Equipped with S-Video output to provide the highest quality images.
- Sophisticated Auto White Balance, plus highly sensitive optical system. Color is captured in virtually any lighting conditions, down to 1.5 lux.
- Compatible with most Videoconferencing systems. Crisp, clear voice transfer is achieved through standard line-level Audio.
- When used in conjunction with a microscope, the TeachCam provides a simple, cost-effective way to present magnified images on a monitor for group study.
- IllumaBase can be used to view 35mm slides, as opposed to using a slide projector.
- Comes with everything you need for multiple applications, including its own storage box. You get a 20´ extension cable that movement of camera away from the monitor to where the students can interact and three microscope adapters that will provide seamless integration with most industry standard microscopes. The IllumaBoxes and IllumaSlides are transparent containers used for displaying small objects, such as insects, as well as pond specimens and protozoa without petri dishes or external lighting.

StudentCam

The StudentCam is an affordable option for applications that do not require the added features of the TeachCam. Supplied with three microscope adapters and integrated microphone (does not have the IllumaBase), it is ideal for student presentations or attached to a microscope for class viewing and Videoconferencing.

- Equipped with S-Video output to provide the highest quality images.
- Supplied with three custom microscope adapters and 20´ extension cable for connection to virtually any microscope.
- Standard 8mm C-Mount lens focuses down to 1˝ for great close-ups and can work under almost any lighting conditions, down to 1 lux.

GOOSENECK VIDEO CAMERAS

DocCam

Based on the original FlexCam design, the DocCam (Document Camera) is designed for presenting or importing documents quickly, easily and with high quality. Competing with the overhead "document cameras" from Elmo, Canon and Panasonic, the DocCam offers equivalent capability at less cost. Features stereo microphones, S-Video output and an automatic iris for superior quality.

- Equipped with a razor sharp 6mm lens, the camera can precisely image 8x12″ documents when its neck is fully extended, so they can be read without turning upside down. The lens may also be focused from infinity down to 4″, which effectively produces "microscopic" magnification of 50:1 when viewed on a 25″ monitor.
- Sleek, flexible 18″ wand lets you direct the swivel-head (30° left or right) camera at any subject for precise, unobtrusive positioning.
- Auto White Balance, Electronic Exposure and a highly sensitive optical system let you capture, magnify or project overhead images in low light, down to 1.5 lux.
- Sharp color presentations can be input for computer, monitor projector, recorded to VCR or transmitted with your teleconferencing software. Capture any document for clear, crisp visual presentation, or magnify images for sharp close-up views.

MicroscopeCam

MicroscopeCam is the ideal tool for medical, scientific, teaching and other applications using a fluorescent microscope; its design is perfect for the study of any branch of science. Connect MicroscopeCam to virtually any microscope, using its microscope adapters to display slides and scientific objects, or to view X-rays from fluorescent light panels on a monitor.

- A color CCD desktop S-Video camera, the MicroscopeCam uses a standard 8mm lens designed specifically for use with fluorescent microscopes.
- Sleek, flexible 18″ gooseneck wand lets you direct the swivel-head camera at any subject for precise positioning.
- Supplied cable allows you to use the camera up to 25′ away from your viewing monitor.
- Supplied Stereo sound microscope adapters let you connect MicroscopeCam to any microscope to display slides and scientific objects, or to view X-rays from fluorescent light panels on a monitor.
- Simplifies presentations from the desktop, while providing quality Video capture. Lens focuses from infinity down to 2″ for great close-ups on a large-screen monitor. Low light sensitive, down to 1.5 lux.
- Automatic Iris provides true color from any microscope — even fluorescent ones.
- When used on a microscope or telescope, MicroscopeCam provides a simple, cost-effective way to present magnification of subjects for group study.
- MicroscopeCam is the essential tool for linking Video applications via monitors, projectors, VCRs, microscopes, telescopes and other visual presentation devices.

IDCam

A full-motion, S-Video camera designed to sit on the desktop or roll about — not on a tripod — the IDCam is designed for photo identification applications. The camera's 16mm C-Mount (interchangeable lens) can be used for photo ID, fingerprint or signature capture. Includes a 2-button image brightness adjustment for virtually any lighting condition and is compatible with all Photo ID capture cards and software.

- Flexible 18″ gooseneck, 60° swivel head and 16mm C-Mount lens make it possible to precisely position the camera for proper head and shoulder framing between 4′ to 8′. Additional lenses are available for custom applications which require imaging from a range of 3′ to 17′.
- Two-button Iris Control System (ICS) adjusts to any lighting environment. With ICS, the IDCam can be integrated into an ID badging system without the need for an external flash. Perfect for use at any receptionist desk that would benefit from inexpensive photo IDs for guests.

GOOSENECK VIDEO CAMERAS

MedCam

MedCam features an 8 foot cable neck, versus the signature gooseneck, for those applications that require more mobility. Its high-resolution C-Mount lens and Audio capability make it the perfect choice for attachment to telescopes and specialized equipment in a variety of medical applications.

- MedCam is a high-resolution, color CCD camera using a standard 8mm C-Mount lens with an electronic iris for seamless integration with microscopes, telescopes and other specialized equipment (surgical microscopes, endoscopes, etc.).
- Flexible 8´ cable lets you position and move the camera head away from your Video-input source. Supplied with three custom microscope adapters for various medical applications.
- Use in applications ranging from Dermatology, Ophthalmology and Telemedicine to classroom instruction. Dermatologists use MedCam to maintain an ongoing progress record and diagnosis of skin abnormalities, rashes and diseases. Opthamologists and optometrists utilize it for close-up viewing of the eye during routine check-ups or specialized treatments. Labs attach it to the microscope for the viewing of specimens and slides.
- Industrial applications include mounting to a retractable pole for nuclear reactor testing for preservation and maintenance. Circuit board assembly can also be easily monitored for defects or imperfections during remote or close-up inspection.

	ScholasticCam	StudentCam	TeachCam	DocCam	MedCam	IDCam	MicroscopeCam
Optics	5.7mm	8mm	8mm	6mm	8mm	16mm	8mm
Resolution V/H	350/310	400/370	400/370	350/300	400/370	400/370	350/300
Pixels	270k	291k	291k	270k	291k	291k	270k
C-Mount Lens		Yes	Yes		Yes	Yes	
Inverted CCD				Yes			
Electronic Iris	Yes	Yes	Yes		Yes	Yes	
Mechanical Iris				Yes			Yes
Manual Iris Control			Yes			Yes	
Focal Length	1/4" to ∞	1/4" to ∞	1/4" to ∞	4" to ∞	1/4" to ∞	1/4" to ∞	1" to ∞
Composite/S-Video	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gooseneck	18" (45cm)	18" (45cm)	27" (65cm)	18" (45cm)		18" (45cm)	18" (45cm)
Cable Neck					8´/2.4m		
Microphone	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5´ Cable	Yes	Yes	Yes	Yes		Yes	Yes
20´ Extension Cable		Yes	Yes				Yes
Microscope Adapters		Yes	Yes		Yes		Yes
Minimum Lux	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Exterior Color	Platinum	Black	Black	Black	Black	Black	Black
Price	**389.95**	**599.95**	**849.95**	**749.95**	**599.95**	**599.95**	**749.95**

FLEXLITE

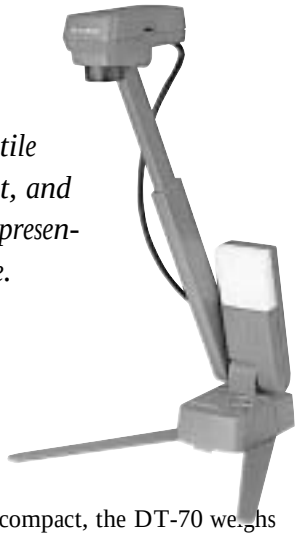
An affordable light base accessory for any VideoLabs desktop video camera, FlexLite has an 8" diameter base with one 5-watt light on each side. Simply place the camera onto the pegs of the light base. The lights can be easily arranged to illuminate any document or 3D object..

FlexLite.....**149.95**

DT-70

Portable Desktop Visual Presenter

A true marvel of engineering, the DT-70 must must be seen to be appreciated. Incredibly versatile and innovative, the DT-70 features 450 lines of horizontal resolution, a supplied lighting unit, and zoom effect by simply adjusting the camera post. Ideal for teleconferencing, video imaging and presentation applications, the DT-70 folds down so compactly it easily fits in the smallest attache case.



- 1/3-inch CCD and DSP circuitry produce crisp images with over 450 lines of horizontal resolution.
- Camera head is mounted on a column that can be extended or retracted to give a zoom effect.
- The camera head can also be rotated to be used as a conventional video camera for use in video conferencing application.
- Selectable composite or S-Video output
- Built-in manual focus 4.2 mm lens lets you focus down to 2-inches for fine, detailed shots.
- For extra convenience, the DT-70 incorporates an adjustable lighting unit. Use the light to provide uniform document lighting in any room setting.
- Additional features include; auto and manual iris, automatic gain control, automatic white balance, and built-in backlight compensation.
- Small and compact, the DT-70 weighs only 1.8 lbs. and measures 10 x 16 x 7.9" (W x H x D) when set up. Folded down for storage or transport it measures only 2.8 x 2.7 x 9.1" (W x H x D).

You can call them.....

Call them document cameras, copy stands, videoconferencing cameras or just visual presenters, it doesn't make a difference. The ELMO DT-70 and DT-100AF allow you to capture information in any shape or form—whether its text, graphics, photographics or 3D objects— and use them in every way imaginable. Use them to add another dimension to otherwise dull meeting and training seminars. Other applications include distance learning and classroom presentations for education, or distance training and videoconferencing for business.

DT-100AF *Portable Desktop Visual Presenter*

Although remarkably small and compact, the DT-100AF offers features usually found only in larger video document cameras. Representing ELMO's most innovative design idea in a document/face camera, the DT-100AF features over 450 horizontal lines of resolution, wireless remote control, 10x power zoom with auto focus, built-in microphone, RS-232 port, genlock, composite and S-Video outputs—all in a unique, fold-away portable design.
An essential device for all modern videoconferencing applications, the DT-100AF sets the standard for a desk-top document/face camera.

- 1/3" 410,000 pixel CCD image sensor delivers over 450 horizontal lines of resolution.
- Equipped 10x (5.8-58mm) auto focus power zoom lens.
- Rotatable camera head can also serve as a face camera for videoconferencing.
- Built-in switcher for additional video source.
- Auto white balance, auto and manual iris, automatic gain control and built-in backlight compensation.
- Industry first -"LED Light Indicator" allows you to locate and perfectly capture the center of any object, including 2-D images on the video monitor.
- Loop through audio and built-in microphone are standard.
- Supplied wireless remote lets you control all main functions. There is a convenient storage space in the body for the remote. You can also control all the main functions from a PC via the RS-232C control.
- The DT-100AF has a unique design so it can be conveniently folded for easy storage. When folded it measures 3.7 x 4.7 x 17.7" and weighs only 4.2 lbs.

EV-400AF/EV-500AF

Visual Presenters

The EV-400AF and EV-500AF are sophisticated video capture systems with features for operational convenience and clear image video of any material from 3-D objects to transparencies. Identical except the EV-500AF offers a 10:1 zoom (8:1 on the EV-400AF) and RGB output, they both feature auto white balance, color/B&W selection, iris control and S-Video output. State-of-the-art front panel touch controls and rotating camera heads were designed with the user in mind. The auxiliary lighting unit is standard, and a baselight is built-in for presentation of slides, OHP film and other transparent material. They both include a negative/positive conversion switch.

FEATURES

Superior Image Quality

- Equipped with a 1/2" CCD sensor with 410,000 pixels, they deliver over 450 lines of horizontal resolution. They also produce outstanding contrast and picture quality when capturing all types of 3D objects, slides, transparencies, and opaque presentation materials.
- Auto white balance with color correction and auto/manual iris control

Power Zoom

- 8x (EV-400AF) and 10x (EV-500AF) power zoom lenses with auto or manual focus allow the capture of images and objects as small as a 2x2 slide up to 12.6 x 9.4" documents. You can also use them as live cameras, by rotating their camera head up to 90° (360° on the EV-500AF?)

Remote Control Capability

They make remote control and communication easier than ever with built-in RS-232 (EV-400AF only) and 8-pin remote ports.

- RS-232 serial control allows remote control from any PC or AMX or Crestron. remote control systems.
- The 8-pin control port is for connecting the optional wired or wireless remote controls.

Upper and Base Lighting

- Upper lamp for low-light, baselight for slides and other transparencies.

Inputs/Outputs

- Video inputs include two composite (RCA) and two S-Video. For audio there is a stereo and external mic input.
- They both have one S-Video and two composite outputs (one BNC, one RCA) and a single (mono) audio output. The EV-500AF (only) offers RGB output.
- Has a passive video selector controller for two additional external video sources.

Additional Features

- Negative/positive switch, genlock input
- Use a small color LCD monitor with 1/4-20 socket for previewing. (Optional monitor shoe adapter bracket is required).
- When viewing black and white objects or documents, a black and white switch allows for improved clarity, and contrasts without color

EVX *Visual Presenter for X-Rays*

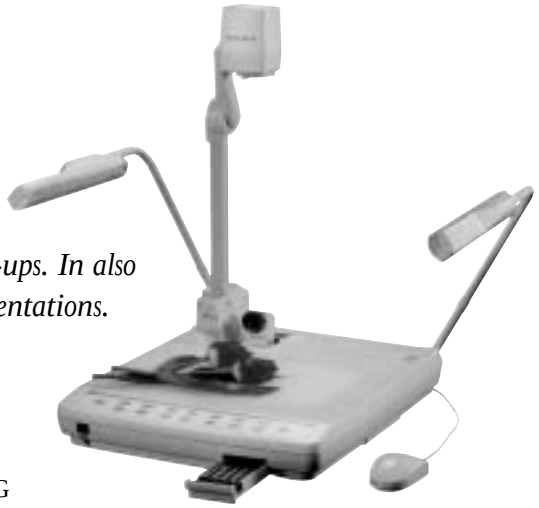
A full-sized x-ray to video presenter, the EV-X is an ideal device for medical training , consultation and even remote patient monitoring applications. It can capture full-size (up to 14” x 17” x-ray images) and output them as composite, S-Video, or RGB signals—for compatibility with all tele-medical and video-conferencing systems.

- 1/2-inch 3-CCD camera head (380,000 pixels each) delivers 700 lines of horizontal resolution . The head is mounted on a powered movable frame for x-y directional control. (Also turns 90° horizontal).
- 12:1 power zoom lens with auto and manual focus. 12x capability lets you examine detailed sections of x-rays.
- Three selectable inputs (Main/AV1 /AV2) include composite, S-Video and external sync. Outputs includes composite, S-Video and RGB with sync.
- 14”x 17” capture area with base lighting. Offers a pair of built-in rulers for measurement.
- RS-232 interface allows external control from a PC or remote control system. Includes a wired remote control.
- Automatic and manual iris and white balance, color adjustment controls, negative/positive conversion, color/BW selection, on/off detail compensation, gamma correction and pedestal controls.

EV-6000AF

Dual-Camera Visual Presenter

A presentation tool that redefines the standards of visual communications, the EV-6000AF offers unprecedented features and versatility. In addition to its 12x power zoom lens, it has a unique, detachable second sub-camera that gives you the ability to view previously impossible angles and close-ups. In also has the ability to store 7 JPEG images in its memory to enhance your presentations.



FEATURES

Dual Camera System

- Both cameras are equipped with a 1/3-inch 410,000 pixel CCD to deliver 470 and 450 (sub-camera) lines of resolution.
- The main camera has an auto focus 12:1 power zoom lens which can enlarge or reduce images from postage stamp-size to B4-size (10.2 x 13.8").
- With two cameras, one main and one detachable sub-camera, the EV-6000AF offers the utmost in shooting flexibility.

—Detachable sub-camera has a 5-foot cable letting you shoot precise angles and previously impossible close-ups

—The main camera head rotates up 90° enabling you to capture images off walls or around the room. With the flip of the attached close-up lens you can switch between close-ups and distant shots.

7-Picture Memory

- Can internally store up to seven JPEG images giving you the power to enhance your presentations with clearly detailed pictures, charts, etc on demand. Images are retained in memory even when the power is turned off.

Additional Features

- RGB, composite and S-Video outputs
- Color or B&W selection, negative/positive conversion
- Has a pause mode that digitally freezes the image on the screen so you can switch visuals without interruption.
- Images can be scrolled up and down or left and right so there is no need to move the object or visual.
- An arrow-shaped video pointer helps you highlight points of interest in your presentation.Pointer can be controlled by mouse or via wireless remote.
- Supplied mouse lets you smoothly control screen scrolling and enlargements. Wireless remote (included) controls all front panel functions and on-screen display adjustments. The remote stores neatly inside the presenter when not in use.
- Enlarge your visuals with the 2x magnification function. Combined with the 12:1 zoom you get up to 24x magnification.
- Upper lamp for low-light, baselight for slides and other transparencies.
- Optional LCD monitor and shoe.

EV-8000AF *3-CCD Visual Presenter*

Elmo's top-of-the-line presenter for those who require the absolute highest quality, the EV-8000AF incorporates three 1/3-inch IT CCDs and DSP circuitry to produce crisp, high-resolution images with over 750 lines of resolution and a S/N ratio of 62dB. In addition it has all the features of the EV-6000AF (doesn't have the second camera) plus it adds a 15-pin SVGA capability, so you can output directly to a computer or LCD projector without the loss of quality that normally occurs during analog-to-digital conversion. Last, it also has a built-in color bar generator allowing you to properly adjust your video device.

	DT-70	DT-100AF	EV-400AF	EV-500AF	EV-6000AF	EV-800AF
Resolution	450 Lines	450 Lines	450 Lines	450 lines	470 main/450 sub	750Lines
Power Zoom Lens	—	10x	8x	10x	12x	12x
Input Selection		Int/Ext	Int/2 Ext	Int/2 Ext	Main/Sub 2 Ext	Int/2 Ext
Lighting Units	Upper Only	Base Only	Upper & Base	Upper & Base	Upper & Base	Upper & Base
Remote Control	—	Wireless	Optional	Optional	Wireless Remote and Mouse	
RS-232 Interface	—	Yes	Yes	—	Yes	Yes
Video Output	Composite and S-Video			Composite, S-Video and RGB		

TRV-35H

35mm Slide to Video Converter

A third generation slide-to-video converter, the TRV-35H combines state-of-the-art performance and design to produce stunning video images from your 2x2" 35mm slides. Ideal for use at trade shows, museums and in show rooms.

- Built-in CCD camera with 410,000 pixels delivers over 450 lines of horizontal resolution and reproduces images that are amazingly faithful to the original.
- 2.5x power zoom lens with power focus allows you to get close-up images of just the scene and visual information you want. Image reduction can be used to allow viewing of the entire image and to compensate for vertical slides. Lens adjustment can be done via remote control.
- Easy-to-use 'joy-stick' color corrector for enhancing color, or to modify color combinations for your own unique special effects.
- Outputs include composite, S-Video and RGB enabling direct connection to video monitors, video projectors and computer capture cards.
- Built-in RS-232 interface for external PC control. Optional wired and wireless remote controllers are also available.
- Slide Timer allows you to control slide change intervals from 1.5 to 30 seconds. Produce endless slide displays with up to 80 slides in a single tray.
- Equipped with external sync function, multiple units can be combined to produce smooth video editing with no distortion between cuts, resulting in a dynamic multi image system.

Accessories for ELMO Presentation Products

Display Accessories for Presenters:

LM403N 4-inch LCD Monitor for EV-400/500/6000AF **329.95**
MS-201 Monitor TV Shoe for EV-6000AF **34.95**
MS-100 Monitor TV Shoe for EV-400/500AF **34.95**

Lighting Accessories:

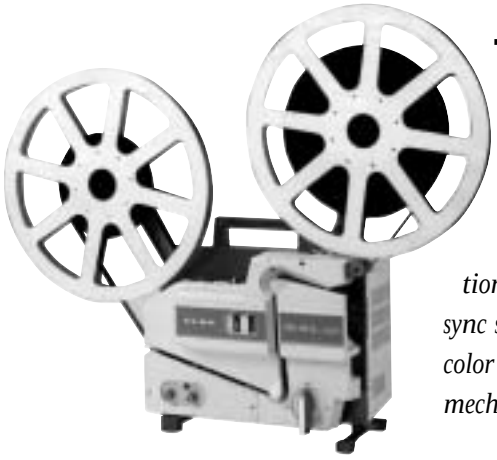
VP-4050V "Visual Plus' Base Light for DT-70/100AF **159.95**
8773 Pair of 18w fluorescent lamps for VP-4050V (repl.).....**49.95**
9356 Pair of 6w fluorescent lamps for upper and base lights for EV-400/500/6000AF (repl.) **44.95**
8549-1 Set of 24v 6-watt lamp for TRV-35H (repl.) **5.95**
8595 Set of 12v 8-watt lamp for TRV-16H (repl.).....**5.95**

Carrying Cases

4351-2 Soft Carrying Case for EV-6000AF **44.95**
HQ22Y Soft Carrying Case for EV-400/500AF **99.95**
LA-75A Soft Carrying Case for DT-100AF **29.95**
HQ77Y Soft Carrying Case for DT-70AF **29.95**

Remote Controls:

RC-551 Wired Remote for EV-400/500AF **99.95**
RCW-552 Wireless Remote for EV-400/500AF **299.95**
RC-351 Wired Remote for TRV-35H **99.95**
RCW-352 Wireless Remote for TRV-35H **299.95**
9315-232C Control Software for TRV-35H (WIN 95) **89.95**



TRV-16H *16mm to Video Converter*

16mm film images are not only beautiful, but also preserve better, because unlike video tape, they are unaffected by magnetic forces. But 16mm is obviously not the most convenient viewing medium. The TRV-16H allows you to use any 16mm film and converts it to a composite or S-Video signal with over 450 lines of resolution where it can be output to a monitor, VCR or tape. It is also equipped with external sync so you can mix the output with other video sources. Manual focus, iris, framing, and color correction are standard. Semi-automatic film threading and patented film transport mechanisms protect your film from being damaged.

VID-P50

Video Presentation Stand

The VID-P50 is a cost-effective, high-powered imaging tool designed for shooting three-dimensional and flat objects and documents for display on TV monitors, or video projection systems. It offers excellent quality images, versatile features, operating convenience and portability, making it an effective and valuable tool for presentations, meetings and other business applications.

- 1/3-inch CCD with 380,000 pixels delivers clear image reproduction with 460 lines of resolution.
- Two-speed 12x (5.4-64.8mm) power zoom lens.
- One-touch, detachable close-up lens
- Automatic focus, automatic iris, auto white balance.
- Document area of 11-7/8" x 10-1/8" (wide mode) enables the use of A4 or letter-size documents or other presentation materials. (1" x 3/4" in tele mode) .
- You can flip-up and tilt the camera head up to 90° to capture images in a room.
- Composite and S-Video output
- Built-in 4 watt fluorescent lamp reduces reflections and provides correct illumination regardless of light levels.
- Lightweight and easy-to-carry. It measures 13-1/4 x 2-7/8 x 21-3/4" when folded and weighs only 9 lbs.

VID-P110/VID-P150 *Video Presentation Stands*

With the VID-P110 or VID-P150 you can concentrate on conveying your message—not on the stand. They offer memory presets for multiple settings, an RS-232 interface, and can switch between camera and external sources. For added convenience, the VID-P150 incorporates a motorized camera head and comes with wireless remote control.

- 1/3-inch CCD with 380,000 pixels delivers clear image reproduction with over 460 lines of horizontal resolution
- Two-speed 12:1 (5.4-64.8mm) power zoom lens
- One-touch, swing out, close-up lens
- Black and white mode for optimum display of printed documents.
- Two (VID-P110) and four (VID-P150) pattern memories. These are user-friendly presets that let you restore multiple settings at the click of a button. Each memory stores focus, zoom, iris, white balance, lighting and effect mode (positive/negative, BW/color) settings for the optimum display of presentation material.
- Default settings can be programmed for zoom, iris, lighting, focus and white balance, allowing for quick set-up when multiple presentations are occurring and there is minimal time between speakers.
- You can flip-up and tilt the camera head from the standard position to permit pan (300°) and tilt (20°) movement. This lets you capture images in the room as easily as materials on the stand itself.
- Dual arm lights, each with two 9-watt fluorescent lamps
- Input selector for quick switching between camera and two external video/audio sources.
- Composite, S-Video and stereo audio input/output enables connection to LCD projectors, TV monitors, and VCRs.
- Optional LCD preview monitor is easily attached with the accessory shoe
- RS-232 interface for external PC control.
- Built-in backlight provides very even illumination of transparencies (up to full A4 or letter-size), slides or negative/positive films.
- Lightweight and easy-to-carry, they measure 17-5/8 x 7-3/8 x 25" when folded and weigh 19 lbs.

VID-P150 Step-Up Features

- Four pattern memories (two for document mode and two for flip-up mode) vs. two memory patterns on the VID-P110.
- Equipped with a motorized (remote controlled) pan and tilt camera head. Using the supplied wireless remote control, you can pan ±30° and tilt ±20° in document mode or pan ±100° and tilt ±20° in flip-up mode.

VID-P300

3-CCD Video Presentation Stand

Similar to the other Sony presentation stands with one big difference—the VID-P300 incorporates 3-CCDs to achieve 720 lines of horizontal resolution and a sensitivity of F5 at 2000 lux. An RGB output lets you take full advantage of the VID-P300's superb optical performance. Additional features include RS-232 interface, genlock capability and full automatic operation for convenience. With advanced user features and outstanding picture quality, the VID-P300 is ideal for applications as diverse as video capture for scientific research and analysis, still video filing at post production houses, video conferencing and high quality presentations for business and education.

- Three 1/2-inch IT CCDs with 380,000 pixels and micro lens technology deliver clear images with dramatically reduced smear. The camera achieves 720 lines of horizontal resolution, sensitivity of F5 at 2000 lux and a 58dB S/N ratio.
- Equipped with a selectable sync on green channel connector, the VID-P300 is able to supply high quality RGB signals. Also has an S-Video output.
- 12:1 (7.5-90mm) power zoom lens for high quality close-ups and long shots with smooth zoom control over the entire range. Objects as small as a 35mm frame to 14-1/4 x 10-3/4" can be clearly displayed on the monitor.
- Multiple setting like R/B paint, Master Pedestal, Gamma compensation, SC and H phase, field or frame mode and Detail are easily adjusted via menu.
- Genlock input for accepting external sync signals. Allows the VID-P300 to be operated with an incoming reference signal.
- You can flip-up and tilt the camera head up to 90° to capture images in a room.
- RS-232 interface for external PC control.
- Built-in backlight provides very even illumination of transparencies (up to full A4 or letter-size), slides or positive films.

Using a color video camera, Sony's Presentation Stands are optimal presentation tools. They display three-dimensional objects as well as flat objects, slides and negative/positive films on video monitors or video projectors. Advanced features and superb performance make the video presentation stand ideal for use in a multitude of applications including education, corporate meetings and video conferences.

VID-P50 .....**1499.95** **VID-P150** **2495.95**

VID-P110 .....**1995.95** **VID-P350** **7695.95**

CCD-PC1 *Computer Video Camera*

Here's the ideal camera for audio/video capture onto computers equipped with A/V inputs. The CCD-PC1 is ideal for desktop video conferencing, still image capture, and audio/video presentations on a video monitor. A brilliant choice for all of your computer multimedia capture needs!

- 1/4-inch CCD with 270,000 pixels provides high resolution capture
- Built in microphone mounted in base for simultaneous capture of audio with video
- Flexible arm with swivel-mounted (±45°) camera head for convenient camera positioning.
- Manual focus from less than 1/2" to infinity allows you to capture close-up or distant images like stamps, coins, and documents.
- Composite and S-Video outputs for high quality connection to TVs, video printers, video monitors and VCRs.
- Manual iris allows you to adjust for proper exposure even under different lighting conditions.
- 9 lux minimum illumination for superlative images in normal home and office lighting; no need for special video lights.

JVC

AV-P750

Video Presenter

With a JVC 1/4-inch IT CCD, the AV-P750 captures and presents two and three-dimensional objects with exceptional clarity. So whether in a seminar room or a conference hall the audience will be able to see every detail. Packed with superior features like a unique book supporter and slide film holder, full flat stage, and a 5-position arm, AV-P750's space-saving design takes JVC's ease-of-use principle to a new level.

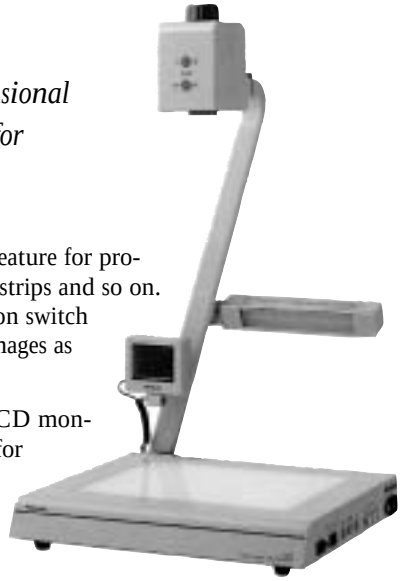
FEATURES

- High-performance 12X power zoom lens lets you enlarge or reduce documentation continuously, from 35 mm slide films to B4 size paper
- Specially designed book support simply adjusts to keep books as large as an encyclopedia horizontal and secure. Then simply zoom in to the areas of interest.
- A 35mm slide holder positioned just under the camera head ensures that slide materials are precisely aligned and focused. Negative film can also be displayed.
- Cleverly designed 5-position arm further enhances functionality. Present 3D objects from any angle you want, not only by rotating the camera head but also by adjusting the camera arm to any of its 5 preset positions
- Negative/positive selector and color/BW selector.
- Camera panning function lets you display surrounding objects such as large presentation materials on a wall. This is achieved by rotating the manual camera control (can pan up to 180°.)
- The front panel is equipped with mic and audio (stereo) jacks allowing the AV-P750 to be linked directly with a sound system. Also has a second composite and S-Video input on the front.
- Rear panel has composite, S-Video and stereo audio input/output as well as RS-232 interface and genlock input.
- Full flat stage makes it easier than ever to present large and wide large and wide objects. The stage also accommodates four sheets of A4 size paper, allowing quick presentation changes.

PANASONIC

WE-MV180 *Video Imager*

The WE-MV180 is an ideal tool for displaying literature, photos and even three-dimensional objects on a monitor or on a screen via a projector. It also allows recording of material for study and research applications. It can also be used effectively for video conferencing.



- 1/3-inch CCD camera delivers 460 lines of horizontal resolution.
- The camera head can be freely rotated 90° either to the right or left for displaying a document on a wall or an instructor.
- Built-in on-screen frame memory allows an object to be replaced with the next one to provide a smooth transition between presentations.
- Auto focus and 12:1 zoom. At maximum zoom, the WE-180 projects items as small as 1.3” x 0.6” —in full on the screen.
- Can read (scan) literature or photos up to 15.5” x 11.6”.
- The stage has a backlight feature for projecting transparencies, filmstrips and so on. A negative/positive inversion switch lets you project negative images as positives.
- Incorporates a 2.9-inch LCD monitor eliminating the need for a separate monitor. The angle of the LCD monitor can be adjusted to give you the best view.

SVP-6000

Mega-Pixel CCD Visual Presenter

The most full-featured visual presenter available today, the SVP-6000 is equipped with a 1/2-inch 1.5-million pixel CCD to deliver outstanding contrast and brilliant picture quality. From transparencies , 3D objects and slides to printed documents, the SVP-6000 is ideal for any professional presentation and conferencing application. In addition, the mega-pixel CCD also delivers an unprecedented level of clarity and readability of small text from a standard 8-1/2 x 11" document. Adding to its versatility, the SVP-6000 offers a progressive output. This allows you to select any resolution from 640 x 480 to 1280 x 1024 for output to a projector, multisync or data monitor. Other features include a tilting camera head with 12x zoom, RS-232 and USB interface and a Windows 98 driver for downloading of images.

- 1.5-million pixel CCD for extremely clear and high resolution images
- 12x optical power zoom lets you present document with text as small as 8pt.
- Variable progressive scan output provides VGA, SVGA, XGA and SXGA resolutions.
- Control and communication has never been easier. RS-232 interface lets you access all front panel controls from a PC. Via the USB port you can capture JPEG and BMP images and immediately transfer them to any PC with Windows 98.
- Tilting camera head allows you to rotate the head up to 90°.
- Arms are fully adjustable (up/down) and tiltable front to back.
- When viewing in progressive scan mode, you can digitally pan and scroll the image.
- VGA loop-through allows an image on your PC or laptop to be viewed through the presenter.
- Automatic white balance, automatic iris, negative/positive for film and image freeze
- Composite, S-Video and RCA audio output (mono) and an external mic input.
- Upper and lower fluorescent lighting ensures proper white balance and color saturation in any lighting environment.
- The supplied mouse has a built-in on-screen pointer and line-drawing tool (in three colors) that eliminates the need for a laser pointer.
- Includes a wireless remote control with all front panel controls duplicated for complete freedom.

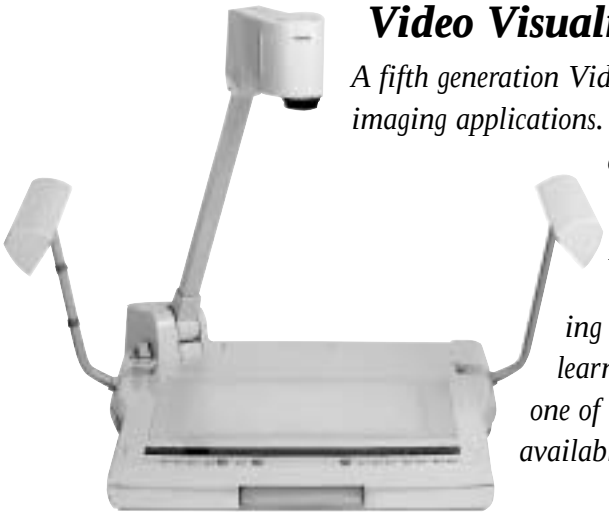
SVP-5000/5100/5200

Helios Series of Visual Communicators

No ordinary visual presenters, the unique Helios series offer many features and functions not found anywhere. For starters they are equipped with 1/4-inch DSP CCD and a 16x optical power zoom lens—the longest zoom in its class. They also feature rotating camera head, head lamp, and with an optional eyepiece adapter can be connected to any microscope. SVP-5100 step-up features include a parallel port for downloading of images to a PC , while the top-of-the-line SVP-5200 adds a two-image frame grabber.

- 16x motor-driven optical zoom lens magnifies even the smallest text or objects.
- Parallel port allows direct transfer of images to a Windows 95-equipped PC.
- The camera head can be freely rotated 270° either to the left or right, or 120° up or down.
- Optional ADA-5000 Microscope Eyepiece Adapter allows use with a standard microscope to offer 10x, 25mm, 23.2x zoom.
- Optional SMS-5000 Microscope Adapter
- For lighting each are equipped with an overhead fluorescent lamp. An optional light box allows presentation of slides or transparencies.

RE-350



Video Visualizer

A fifth generation Video Visualizer, the RE-350 is well equipped for today's demanding imaging applications. Built by Canon–the world leader in quality optics, the RE-350 delivers 450 lines of resolution for the view and capture of sharp, detailed images—whether they are 3-D objects, flat art, documents, photos, slides and X-rays, including larger than normal sizes. When used with a monitor or projector the RE-350 is an excellent imaging tool for presentations, desktop publishing, videoconferencing, distance learning, remote diagnostics and 3-D imaging. Best of all, it is backed by one of the most experienced, nationwide service and support networks available.

- 1/3 inch CCD with 410,000 delivers 450 lines of horizontal resolution.
- 12:1 (5.4-64.8mm) 2-speed power zoom lens
- Automatic and manual focus, iris (fine-adjustable +/-2 EV) and white balance
- All necessary controls are on the front panel. This includes controls for focus, zoom, negative/positive, lights on/off, etc.
- Object stage area permit unobstructed access of larger than normal art or x-rays. Adjustable lighting arms also allow perfect viewing of larger than normal objects.
- Equipped with RS-232 interface, it can be controlled by a PC or room control systems from AMX or Crestron.
- Accepts composite and S-Video, stereo audio and external mic. It outputs composite, S-Video, RGB and stereo audio.
- Text Enhancement function ensures optimal document legibility.
- Add the optional Software Developer's Kit and/ or the optional wireless control interface to enable even more capability.

—Optional IR Remote Control Kit gives you added flexibility and freedom of movement. All functions on the RE-350's front panel can be controlled..Kit consist of: hand held IR remote, IR receiver module, RS-232 cable and power supply.

—With the optional Software Developer's Kit (SDK), you can integrate RS-232 control of the RE-350 into almost any application. SDK consists of documented RS-232 control commands and sample source code.

- Focus follow zoom technology for seamless presentations
- Integral backlight makes the RE-350 ideal for viewing and capturing images from transparencies and X-rays.
- Additional features include; genlock input, negative/positive film conversion and color/B&W display mode.
- Folds down to a compact, easy-to-carry size for portability or easy storage. Only 22 lbs. it measures (W xD x H).....

Stored: 19-1/8 x 20-11/16 x 7-1/2
In-use: 28-1/4 x 20-11/16 x 21-7/8"
Light box: 8 1 /4" x 11 3 /4"
Shooting Area:
13 3 /8" x 10" to 1 3 /32 x 13 /16"

RE-350 Visualizer.....2295.00

IR Remote Control Kit.....299.95

Developer's Kit (SDK).....159.95

Hard Carrying Case for RE-350.....349.95

VIZCAM 1000 *Multi-Use Desktop Camera*

Just one look at the VIZCAM 1000 is enough to convince you that this no ordinary camera. The unique design of the product is enhanced by a rugged 3-axis articulated arm that rotates 180° at the base and the camera head, and can be raised or lowered for endless applications from image capture to portraits, presentations, distance learning, videoconferencing and macro imaging. Engineered for exceptional durability over long periods of constant use, each arm can be independently positioned for consistently stable, motion-free imaging. Camera features 450 lines of horizontal resolution and can be used to display color video images of 3-D objects, documents and photographs (as close as 5/16 of an inch) on any video monitor, projector or VCR with exceptional clarity and sharpness. Additionally, slides, negatives and transparencies can be viewed by using a light box.

VIZCAM 1000

VIZCAM 1000 FEATURES

- 1/4-inch CCD with 410,000 pixels delivers 450 lines of horizontal resolution.
- Optical 2.9mm lens, with manual focus and iris control, offers an extremely wide viewing angle (63°) and can display images from a full 8-1/2 x 11" document to postage-sized object or image.
- Panning angle of plus or minus 90° eliminates the need to reposition documents for viewing.
- For videoconferencing/codec applications, a manual override switch is provided for all automatic functions resulting in greater stability and faster compressed video transmission.
- Integrated base station outputs composite and S-Video. Also has a mic input and stereo audio output as well.
- Negative/positive conversion for displaying positive images from film.
- Control Panel Features:

—AGC Lock On/Off

—Negative/Positive Button

—Audio Mute On/Off

—Automatic White Balance with manual adjustment

—Selectable 1/60 (for 60 Hz operation) or 1/100 (for 50 Hz operation) of a second shutter speed

Vizcam 1000 Desktop Camera..... 999.95

Portable Light Box 39.95

Hard Case for Vizcam 129.95

VC-C3

Remote Controlled Communication Camera

Whether your application is teleconferencing, remote monitoring, training or distance learning, the VC-C3 enhances communication by allowing audiences to see your point. Literally. The VC-C3 is an affordable one-piece, remote controlled, high resolution camera integrated into a pan/tilt pedestal base that can be operated by a hand-held remote control or over long distance via RS-232 interface. You can program up to six preset positions, or use the remote to pan/tilt/zoom in an infinite number of positions. With its combination of performance, size, ease-of-use, versatility and affordable price, the VC-C3 is the industry-standard.

- 1/3-inch CCD with 410,000 pixels delivers 450 lines of horizontal resolution and 46dB S/N ratio.
- Two-speed 10x (4.2-42mm) power zoom lens lets you go from wide angle to full telephoto in just 2.0 seconds.
- The VC-C3 is modular in design for maximum flexibility. The Camera Control Unit (CCU) contains composite, S-Video and audio output, RS-232 and 8-pin interface for connecting to the camera. You can attach the CCU to the camera or keep it separate which is useful when space is an issue. Detach the CCU and you can mount the camera in areas not normally accessible with pan, tilt, zoom cameras.
- The remote-controllable VC-C3 can pan/tilt to infinite positions. Panning motor is extremely quiet, typically less than normal conversation.
- Program and store up to six preset positions, or use the remote and/or VC-C3 Control Software to move the camera to any pan/tilt/zoom position. Multiple cameras can be individually selected and controlled via the remote, even if they are in the same room, via the ID Mode selector.
- Backed by industry's most experienced nationwide service and support network
- For multiple camera installations, up to four VC-C3's can be controlled by a PC using Canon's VC-C3 Control Software. The software, designed with the look and feel of the remote, can control up to 4 cameras from one PC, move the camera head diagonally, color correct the video, and program the time and number cycles (up to 10,000) for the six presets.
- With the optional Software Developer's Kit (SDK), you can integrate RS-232 control of the VC-C3 into almost any application. Consists of documented RS-232 control commands and sample source code.

VC-C3 Camera 1049.95

Wide Converter Lens 99.95

Developer's Kit (SDK).....159.95

VC-C3 Control Software (PC).....179.95

EVI-D30

Pan/Tilt Video Camera

The EVI-D30 is a pan/tilt video camera equipped with a highly sophisticated image processing technology that allows target objects to be recognized. It also features a 12x optical zoom with high speed autofocus, 6-position preset, RS-232 serial control, and a time and date generator.

AT (Auto Tracing) Mode

AT is a function which continually extracts a subject that you predefine. After picking up pixels of similar color and brightness around the selected subject, the EVI-D30 extracts the target by using the subject model based on light reflection and non-linear camera processing. There are four modes for pre-defining the subject.

AT-PAN TILT:
This function follows the moving subject automatically by controlling the pan and tilt motors without the use of special sensors.

AUTO ZOOM:
This function automatically controls the zoom lens to ensure that the size of the subject remains constant.

AT-AE:
The EVI-D30 employs an auto exposure and advanced backlight compensation system to ensure that the subject remains bright even in harsh backlit conditions. Because the subject position is known, a comparison can be made between its brightness and that of the background, and the camera will subsequently adjust.

MD (Motion Detector) Mode

MD basically detects the difference between the initial reference image and the current image.

The conventional technique employed in MD uses only the brightness of the video signal. The EVI-D30 uses both the brightness and color which enables even an object of the same as brightness as the background to be detected.

n Changes in light conditions are constantly monitored and the data in the reference image adjusted.

•A user can set two rectangular detection areas of any size and in any position of the scene.

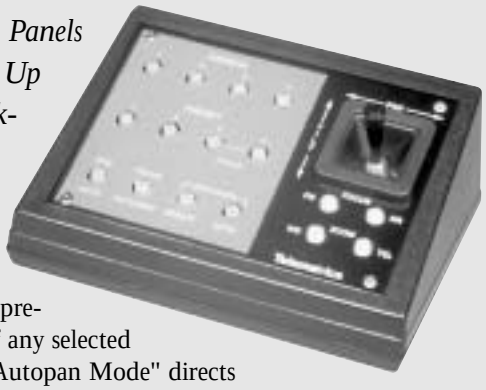
•Once motion is detected within the pre selected windows an alarm signal is output. Use the signal to trigger a VCR's record function.

• MD mode is made even more versatile by the ability to adjust the detection brightness, color and area.

TELEMETRICS CP-ITV-VC3 / CP-ITV-D30

Serial Control Panels for the VC-C3 / EVI-D30 Pan/Tilt Cameras

The CP-ITV-VC3 and CP-ITV-D30 are RS-232 Serial Desktop Control Panels designed to control the Canon VC-C3 or Sony EVI-D30 pan/tilt cameras. Up to four camera systems can be connected and controlled by one panel—making them ideal for a host of teleconferencing applications.



- A proportional rate joystick provides smooth, simultaneous control of both pan and tilt operations.
- Switches provide control over zoom, focus and iris adjustments. Four programmable presets are also provided for each camera for pan, tilt, zoom, focus and iris control. The presets are recalled by the selector switches.
- When using the Auto pan or Cycle Mode,only the selected camera is functional.
- A "Cycle Mode" allows the operator to verify the four preset positions of any selected camera. The "Autopan Mode" directs the selected camera to continuously scan its entire pan range.

Set-Top Videoconferencing Systems

Videoconferencing has experienced a dramatic change over the past few years. It has gone from very high end, high priced Rollabout room systems to sub $10K, easy-to- use, plug and play set-top units. But until now most of these have only lent themselves to small groups and non-integratable rooms. The Sony Contact Videoconferencing System changes all that. Giving you the quality and functionality of high end systems, the Contact systems allow you to not only take advantage of its compact size to function as a set-top box on top of a monitor, but also offers the versatility of integrating the box into rooms by utilizing the unique dockable TrakCam camera into larger room environments. There are three Contact systems available; the basic Contact (PCS-1500) offers speeds of 128 kbps for high quality video with 15 frame per second (fps) capability; for 30 fps video, the Contact-U (PCS-1500U) adds a 2 BRI Board that allows speeds up to 384 kbps. The Contact-ME system has all the features of the Contact-U plus it adds multipoint software enabling you to connect up to 4 sites without using an external bridge or bridging service.

Applications Include:

Conference Rooms: Videoconferencing provides a natural meeting environment in conference rooms even though all participants may not physically be in the room. Participants are able to meet face-to-face, while introducing graphics, computer applications, 3D objects and data sharing into the conference. Meetings can be held, no matter what time of day around the world, without concern for unnecessary travel time and expense.

Small Office/Home Office (SOHO): With the advent of set-top systems, videoconferencing has become a relatively inexpensive alternative and solution to remote and home offices. Small offices, small companies and remote offices can now afford to communicate to the corporate home office and customers without leaving their location.

Distance Learning/Training Rooms: Universities, Schools and training facilities can provide specialized training, expert lectures and advanced classroom studies to multiple students with distance learning and training via videoconferencing.

FEATURES

Dockable TrakCam Camera

- An industry first, the TrakCam camera can detached from the set-top base. This gives you the flexibility of strategically mounting the camera in a room when you need the videoconferencing processor at any distance from the monitor. It also provides the ability to integrate the videoconferencing processor into complete room systems regardless if the processor is in direct contact with the camera.
- TrakCam is an auto-tracking camera that can detect motion and follow the movement of a selected individual.
- Six remote-controllable preset camera positions and pan/zoom/tilt capability let you quickly focus on multiple people.

Graphics Transmission and Data Collaboration

- The system is capable of transmitting one still image or multiple still images continuously in an annex-D format. Since still pictures are clearer than moving pictures, it is suggested that a user send a video as a still picture if the picture contains a lot of text. This is quite helpful when showing still documents or PowerPoint slides.
- A data port on the back of the system allows users to hook up a PC directly to the unit. This port is used for T.120 data collaboration when document sharing and white boarding are required.

Picture-In-Picture

- Picture-in-Picture (PiP) function provides a self-view of the videoconference. PiP can be moved to any corner of the monitor or turned off completely.

Remote Commander Unit

- Supplied easy-to-use wireless remote lets you control the videoconferencing processor, any Sony monitor, even the optional wireless object stand.
- Single button controls allow for dialing, dial lists, set-up, camera controls, menu selections, volume, power, mic mute and system control.

CONTACT

Videoconferencing Processor

- Each system was designed for ease-of-use. Units are self-contained with minimal wires to connect. You can control all functions with a simple wireless remote.
- The processor has an integrated microphone, dockable camera, built-in inverse multi-plexer (IMUX- required for bonded calls), and audio/video inputs and outputs for easy connection to a monitor.
- The processor conforms to the ITU-T H.320 videoconferencing Standard that allows the system to "talk" to any other H.320 systems on the market today.
- Also H.323 ready, so if you add a LAN card you can provide videoconferencing over LAN/WAN environments.

Integrated Microphone

- The microphone is built-in to the videoconferencing processor so that no additional connections need to be made.
- For those who require additional microphones, two input jacks are provided on the back panel of the system.

Compact Size

- Made in the Sony PlayStation factory, Contact has the same footprint as a PlayStation system. It weighs only 6 lbs 10 oz and is one of the world's smallest set-top units.
- Its compact design allows it to sit unobtrusively on top of a monitor or for easy integration when space is a consideration.
- Additional video peripherals such as a VCRs, DVDs, etc. can be incorporated into the videoconference through the video inputs on the back panel of the system.

Contact Series Systems

Contact (PCS-1500)

128Kbps Set-Top System

This system gives you an affordable entry into videoconferencing. With its ease of use and low bandwidth cost, the PCS-1500 is perfect for a small business or first time videoconferencing purchaser. The system can be upgraded when higher bandwidths and/or speeds are required, or would like to have LAN/WAN connectivity.

CONTACTU

384Kbps Set-Top System

This system configuration provides optimal bandwidth and clarity for point-to-point video calls. With thirty (30) frames per second (fps), you are afforded the industry accepted standard for natural meeting environments.

CONTACTME

384Kbps Set-Top Videoconferencing System with Built-in Multipoint functionality

This system is a must for those that require face-to-face communications and data collaboration with up to four (4) remote sites. The ContactME is only required at one site. All of the other sites can be at a minimum connection of 128kbps and can be any H.320 standard system.

The ContactME allows for four (4) sites to be linked together simultaneously without connecting to expensive external bridging services or bridging devices. This is very similar to audio conferences where all parties dial into a selected number and are connected on a single call. This system allows for other systems to dial into it or for the system to dial out to connect to all four (4) parties.

PCS-1500 Includes: Videoconferencing Processor, Dockable TrakCam camera, Remote Commander, S-Video cable, IR Repeater, ISDN cable, Audio cable AC Adapter Power Cable

ContactU Includes: Same as the PCS-1500 plus it adds a 2-BRI board

ContactME Includes: Same as ContactU plus Multipoint Software

Required Connection

Any user to the H.320 video world will require at least one ISDN (Integrated Single Digital Network Line) to get their system up and running. Additional lines will be required for higher data and video speeds. This means that if you want clearer video quality and higher frame rate, additional lines will be required. The Contact system only requires one ISDN line, the ContactU and ContactME require three ISDN lines each in order to achieve the maximum performance level of each system. Also, if you have a direct hook up to your ISDN line, you will require one NT-1 (Network Terminator) per ISDN line.

User Friendly

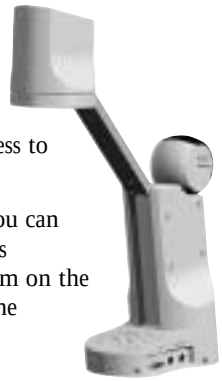
- An installation set-up menu launches upon first time installation. The menu guides users to configure LDN (Listed Directory Number) and SPID (Service Profile IDentifier) information as well as far end camera control, data collaboration and frame rate.
- All wiring is color-coded and an easy-to-read instruction manual is supplied with each system so you'll be up and running in minutes..

Additional Features

- The system goes into sleep/standby mode after one hour if the system has not been used within that time. The system "wakes up" as soon as any button on the remote control is pushed.
- Remote diagnostics and software downloads are possible via ISDN.

Optional PCS-DS150

Wireless Document Stand with Built-in Scan Converter



The PCS-DS150 brings the meeting right to the conference room table. It displays 3-D objects as well as documents.The stand is wireless to the Contact system and is linked via a super IR blaster.

The PCS-DS150 has a built-in scan converter and computer port. You can plug a PC to the stand and incorporate computer applications, such as PowerPoint presentations, into the videoconference while viewing them on the conference monitor. Both the near and far sides will be able to view the application.

Contact Systems and Accessories

CONTACT (PCS-1500): 128kbps Set-top System **3995.00**

CONTACTU: 384kbps Set-top System **6495.00**

CONTACTME: 384kbps Set-top with Multipoint Functionality **7995.00**

PCS-DS150 Wireless Document Stand **2695.00**

A300 External Mic **369.95**

PCS-I151 V.35 Board **599.95**

PCS-I152 LAN Board **1,795.00**

PCS-NT1
1BRI Network Terminator **239.95**

PCS-NT3
3 BRI Network Terminator **549.95**

SPECIFICATIONS

MOTION VIDEO

Operating Bandwidth

Contact
56k/64k~128kbps in 56k or 64kbps increments

Contact-U & Contact-ME
56k/64k~384kbps in 56k or 64kbps increments

V.35: up to 384kbps

LAN 768kbps

Coding
H.261, H263 (ITU-T Standard)

Picture Elements
CIF 352 pixel x 288 lines
QCIF 176 pixel x 144 lines

Frame Rate
15 fps max up to 384kbps
30 fps max @ 384kbps

GRAPHICS

Resolution
704 pixels x 480 lines

Input Signal
S-Video or AV Link

Compression Method
H.261 Annex. D (4CIF), H263

Transmitting Time
Approx.5 sec at line rate 112k~128kbps)

AUDIO

Bandwidth and Coding
G.722 7.0kHz at 48k or 56kbps
G.711 3.4kHz at 56k or 64kbps
G.728 3.4kHz at 16kbps

CAMERA

Camera
1/3" CCD 768 x 494 lines

Preset
up to 6 position (Pan/Tilt/Zoom)

Focal Length
5.4~64.8mm (0.21" – 2.55")

Focus
Auto/Manual switchable

Iris
Auto, AGC

Zoom Ratio
x12

Pan Control
±100° (Docked), ±100° (Detached), Motor-driven

Tilt Control
±20°(Docked)
±25°(Detached), Motor-driven

Resolution
NTSC

Far-End Control
H.281

Focus
Auto/Manual (far, near)

Pan
Right/Left

Tilt
Up/Down

UP-2100/UP-2300

A6-Size Dye-Sub Video Printers

The UP-2100 and UP-2300 are A6- size (3-1/2" x 5") color video printers designed for business applications. With their high image quality, fast printing time, multiple print modes and a compact design, they are ideal for medical and dental imaging, amusement imaging, video production, photo-proofing and scientific applications. The UP-2100 offers cost-effectiveness, while the UP-2300 with 310 dpi, RS-232 control, and multiple print media options offers higher performance

FEATURES

- They offer various print modes that are suitable for any printing application. The modes include 1, 4 and 16 split memory and duplicate image prints.
- They accept composite and S-Video inputs, enabling them to be used in a variety of multi-media applications.
- Up to 200 sheets of print paper can be placed in their paper tray for consecutive printing.
- Sony's advanced dye transfer sublimation thermal printing technology provides 155 dpi (UP-2100) and 310 dpi (UP-2300) photo-realistic quality prints with over 16 million color variations.
- Auto Live Mode returns you to live video after the image has been captured and reviewed.
- Caption setting lets you write a caption in the white border of the print.
- 3.5" x 5" size prints can be made in 58 seconds. The UP-2100 uses the UPC-2010 color printing pack (200 sheets).
- The UP-2300 uses the UPC-2010 plus allows use of many other media packs. It accepts UPC-20S16 (16-split sticker), UPC-2020 (B&W), UPC-2040A (lamination), UPC-2050 (transfer) and the UPC-2070 (post card) paper. Using UPC-2040A or 2070 paper requires the optional UPA-2002 paper tray.

UPC-2100 155 dpi Color Video Printer **929.00**

UPC-2300 310 dpi Color Video Printer **1349.00**

Lamination and Passport Printing Modes:

Using the optional UPC-2040A media, duplicate images can be printed in the Passport mode.. There are two options, Flex and Fixed IPP. In Flex mode, you enter the desired image size and the printer automatically determines the number of duplicate images to be printed. In the Fixed IPP mode, you select to print 1, 4, or 16 images and the printer automatically selects the size of each image. Flex lets you print any size. IPP is preset to U.S. and European passport image standards.

A6-Size (3-1/2 x 5") Print Media and Accessories for the UPC-2100 and 2300

UPC-2010:
Color Print Paper for UPC-2100/2300 (200 sh.).....**89.95**

UPC-2020:
B&W Print Paper for UP-2300 (200 sh.) **79.95**

UPC2040A:
Laminated Print Paper for UPC-2300 (120 sh.) **109.95**

5UPC2050:
Mug Transfer Paper for UCP-2300 (1000 sh.) **749.95**

UPC-2070:
Postcard Print Paper for UPC-2300 (150 sh.) **109.95**

UPC20S16:
16-Split Sticker Print Paper for UP-2300 (200 sh.).....**149.95**

FS-20:
One Button Foot Switch Control **24.95**

FS-36:
Three Button Foot Switch Control **79.95**

RM-91:
Simple Wired Remote Control.....**29.95**

RM-5500:
Wired/Wireless Remote Control (with 5m cable) **49.95**

UPA-2002:
Paper tray for UPC-2040A and UPC-2070 paper.....**Call**

UPA-2003:
Roller cleaning kit for the UP-2100/UP-2300 .....**Call**

UP-5500

A5-Size Dye-Sub Video Printer

A breakthrough in dye transfer sublimation thermal printing, the UP-5500 provides both an analog and an optional digital interface for a variety of applications, including video post production, computer graphic design, photography studios, archiving and documenting images. Ideal for scientific and engineering research and development applications as well. It delivers high-quality hardcopy images in less than 60 seconds, and it accepts RGB, composite and S-Video signals from motion or still video sources. With and excellent feature set and ease-of-use, the UP-5500 is a great asset in a wide spectrum of professional, industrial, educational, and artistic environments.

FEATURES

- Thermal head with 2048 elements produces over 500 horizontal lines of resolution in video mode, and 300 dpi in digital mode (digital mode requires the optional UPK-5502SC SCSI board and UPK-5500 memory board).
- Up to 5 x 6.5 inches of image area can be reproduced from an NTSC video signal. Full color images can be printed in a fast 40 seconds.
- Split or duplicate image print modes: 2, 4, 8 and 16 different or duplicate images can be printed in a variety of sizes on a single page.
- Can generate up to 48 alphanumeric characters which can be printed beneath the image area as captions or titles.
- Accepts composite, S-Video and RGB signals. With the optional UPK-5501NP memory board, the printer can accept PAL video signals as well.
- Incorporates four frame memories allowing storage of four full images. Add the optional UPK-5500 Four-Frame Memory Board and you store eight full images – each of which can be printed in a variety of print modes–in either individual or duplicate images.
- When the UP-5500 is set in the split mode (Picture-in-Picture function), the connected monitor can display both source video and captured images in the internal image frame memory simultaneously. You can then return to source, capture another image, and place it in the remaining split mode position.
- Menu gives you easy control over print quality, split print, captions, color and gamma adjustment, and input select.
- When the power to the UP-5500 is OFF, images can still be viewed on a connected monitor by looping through the printer.
- Optional UPK-5502SC SCSI Interface Board digitizes the analog video signal for transfer of images to a computer, network, or external storage device. Digital data can be converted back to analog and viewed on a video monitor. Photoshop plug-ins are provided for Mac and Windows.

UP-5100 Video Printer **3795.00**
UPC-5510 Color Paper (200 sh.) **169.95**
FS-20: One Button Foot Switch Control **24.95**
FS-36: Three Button Foot Switch Control **79.95**
RM-91: Simple Wired Remote Control **29.95**
RM-5500: Wired/Wireless Remote Control **49.95**

UP-980 *Black & White Video and VGA Printer*

The UP-980 is a full page black and white dual scan video graphic printer that produces high quality hard copy images in 10 seconds. Dual Scan allows the printer to sync up to any 15.75 kHz or 31.5 kHz composite signal. The UP-980's optional blue transparency media produces high quality film-like transparencies. Additional features such as multiple print capability, fast print speed and UL260-1 listing, make the UP-980 ideal for medical B&W applications such as ultrasound and cardiac cath lab.

- 256 gray scale gradations for excellent print quality and contrast
- Front panel LCD display for easy adjustments without a monitor
- Multi-print capability (one, two, four or six images on one sheet)
- Fast 10-second per print, speed
- UL-260-1 listed for integration into medical environments
- Accepts NTSC and PAL composite (BNC) video signals. Accepts 120/220v AC power 50/60 Hz.

UP-980 B&W Video Printer **4450.00**
UPP-210HD High Density Print Paper **36.50**
UPP-210SE High Quality Print Paper **26.95**
UPT-210BL Blue Transparency Media ..... **Call**

UP-7200

Letter-Size MultiScan Dye-Sub Video Printer

A high performance letter-size video printer with photographic quality the UP-7200 is ideal for a variety of business and industrial applications, as well as photo journalism, publishing and sports analysis. It incorporates advanced signal processing and state-of-the-art printing techniques to ensure the highest quality prints, and with composite, S-Video and analog RGB inputs it is compatible with a wide range of equipment. It also has hyper-multiscan capability to accept high scan computer outputs, as well as HDTV signals without any external conversion equipment.

FEATURES

- Up to 7-1/8 x 9-1/2 inches full color images can be printed using UPC-7011 letter-size print media. Images can be printed in approximately 125 seconds.
- Has analog RGB, composite and S-Video inputs. An analog RGB high scan signal and HDV signal can be input as well via a 15-pin multiple connector. Optional UPZ-7000 cables facilitate the connection of Mac and PC workstations.
- Compatible with horizontal frequencies from 15kHz to 89kHz, the UP-7200 can print from a variety of sources including video equipment, computers and workstations. This also includes HDTV signals (1150 lines, 16:9 aspect ratio).
- Has 52 signal frequency presets for automatic signal detection. When receiving the input signal, the printer detects the ideal frequency from the presets and locks onto the signal for the optimum image capture and printing. The frequency can also be adjusted manually for enhanced printing. Up to four adjusted settings can be stored in the built-in user memory.
- Various settings can be easily selected using the function menu on the unit's LCD display or when connected to a monitor. Settings include color adjustment, caption setting and input selection, pixel quality. Also includes set-up for horizontal and vertical picture size, H/V picture shift, aspect ration and print mode.
- Both the vertical and horizontal length of the image can be scaled down - up to 80% in 1% increments. The captured image can also be reduced to 64% and printed out.
- External remote control operation via the RS-232 interface. There is also a supplied remote control unit (RM-5500) that can be used both wired and wireless, depending on the your application. An optional foot switch (FS-20) is available separately.
- Offers a unique 3D function that is ideal for microscopy applications and for motion analysis in the field of sports analysis. Once the image is acquired the moving parts of the image are printed in color while the still portions are printed in black and white.
- In addition to the full size print mode, 2, 4, 6, 8 or 16 different or duplicated video images can be captured and printed on one page. Similarly, either four or six different high scan images can be printed on one page. Up to 20 consecutive copies of the same image can be printed out.

RPL SUPPLIES

For over 15 years the name RPL has been synonymous with people making money by putting images on ceramic coffee mugs, 6” buttons, key chains, T-shirts, baseball caps, frames, calendars and many other items.

Full-Wrap Mug Heat Press

Adjustable, full wrap press accommodates most sizes of mugs and steins.
- Instant on; no waiting for warm up
- Automatic timer - Replaceable heater element
- Baked epoxy finish - Mug size adjustment knob

T-Shirt Heat Press

This press will produce perfect T-shirts, mouse pads, posters, tote bags, and all other flat, heat transfer accepting items.
- Enhanced electronics for long life timer
- Adjustable temperature - Adjustable tension
- Baked epoxy finish - Large 15" x 15" heating surface

Call For Full Line of Presses

UP-7200 Letter-Size Printer **7395.00**

UPC-7011 Color Paper 100 sh **229.95**

UPC-7021 B&W Paper 100 sh....**217.50**

FS20
One Button Foot Switch Control ..**24.95**

UPZ-7000M High video cable for Macintosh **169.95**

UPZ-7000I
High video cable for PC **169.95**

Overnight Shipping Available

AG-EP50

Video Printer

The AG-EP50 is a color video printer that creates high quality prints from a variety of video sources. It utilizes state-of-the-art technology to deliver prints with outstanding picture sharpness, vivid colors, and accurate skin tones. In addition to its superb picture quality the AG-EP50 has a host of special print modes that make it a valuable tool for business, security, law enforcement and educational applications. With the addition of the optional foot pedal, it is absolutely ideal for medical and dental applications.

- Prints over 16.7 million colors, delivering exceptional color quality with subtle hues accurately reproduced. Prints are extremely durable and resistant to color fade. Built-in high-density frame memory further assures clear, smooth prints
- Strobe effect prints are possible, with switching between set strobe speed and variable strobe speed in the Swing mode
- Card-Sized Print mode divides the print down the center for two card-sized prints of different images. The part of the image for trimming is also selectable
- Multi-picture Print mode gives you prints divided into 4, 9, or 16 squares with a different image in each square. You can also get divided prints of the same image with 4, 9, 16 or squares.
- Composite and S-Video inputs/outputs
- Zoom Print enables up to 2X enlargement vertically and horizontally, with on-screen confirmation. The part of the image for enlargement is also selectable
- The AG-EP50 is for easy operation to meet a wide range needs. Speed is only 75 seconds per print. On-screen display offers picture quality adjustment indications for images stored in memory

JVC

GV-DT3 *Dye-Sub Multimedia Printer*

To match the performance of your camcorder, the GV-DT3 prints your recordings with the highest quality ever. Incorporating the latest printing technologies and designed for easy multimedia connectivity, the GV-DT3 delivers extraordinary clarity with a full-color dye-sublimation printing system with 306 dpi resolution—the equivalent SXGA resolution of 1.4 million pixels.

- Print from digital video cameras via the industry-standard i.LINK DV interface
- Bi-directional serial port connection and bundled software allows downloading of images to a PC for retouching and then reprinting.
- Video output terminal for the viewing of captured images.
- Picture Processor Function lets you adjust the image quality of shots without any additional equipment. An Auto Adjust feature automatically clears up your image for ideal print settings. Use Clear Black for richer blacks, or manually adjust for brightness, contrast and tint. Settings can also be made for a twilight lighting effect wih increased brightness, or black & white and sepia coloration.
- Capture video snapshots from analog sources via composite and S-Video inputs.
- Never worry about capturing the right image again. Exact Frame Function collects 8 frames around the image you want to print.
- On-screen menus guide you trough a variety of print and design option Print 1, 4, or 18 images per sheet Paper size: 4 1/2" x 3 7/8" For use with standard or sticker type paper
- Double-density printing and overcoating raises resolution to 144 dpi x 2